Figure 2

NH-CH,

Dexamine

(

$$\begin{array}{c|c} CH_2-CH & CH_2-CH \\ \hline C=0 & C=0 \\ NH_2 & CH \\ \hline NH_2 & CH \\ \hline \\ DMF/H_2O (1:1) \\ \hline \\ NH_2 & CH_2-CH \\ \hline \\ NH_2 & CH_2-CH \\ \hline \\ OH \\ \hline \\ OH \\ \hline \end{array}$$

Trimer:

Tetramer:

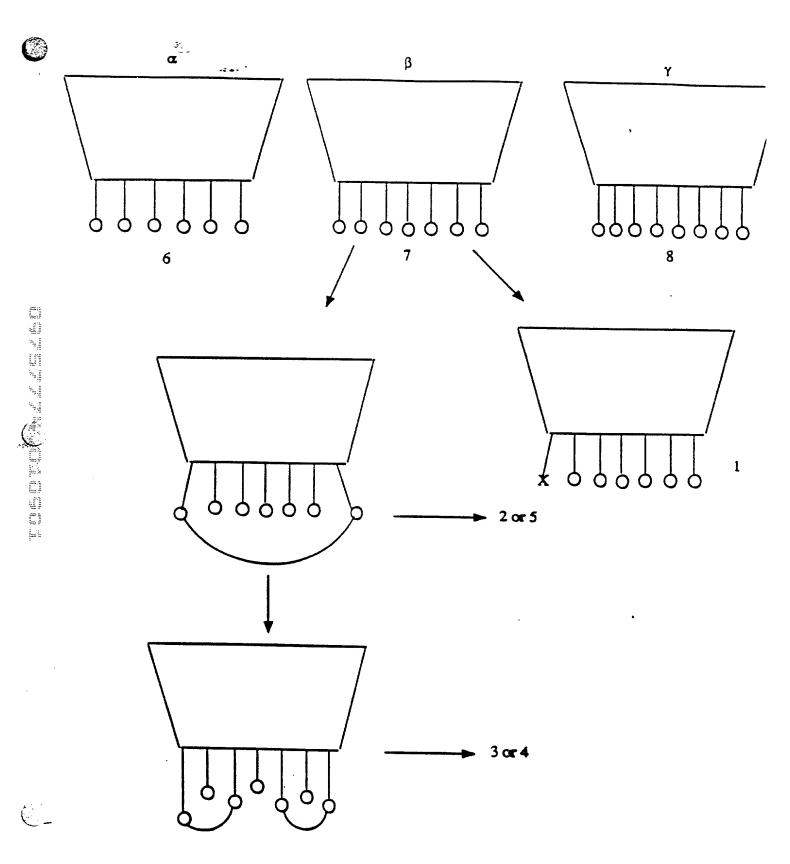


Figure 7

7_ _ .

2 HS-Cys-Peptide —

"Dimerization"

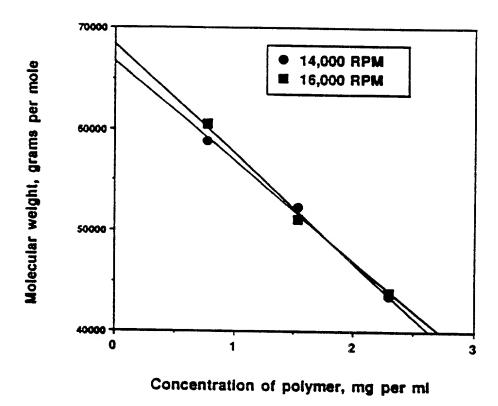
R N
$$(4)$$
 HS-Cys-Peptide R N (5) (5) (6) AND (6)

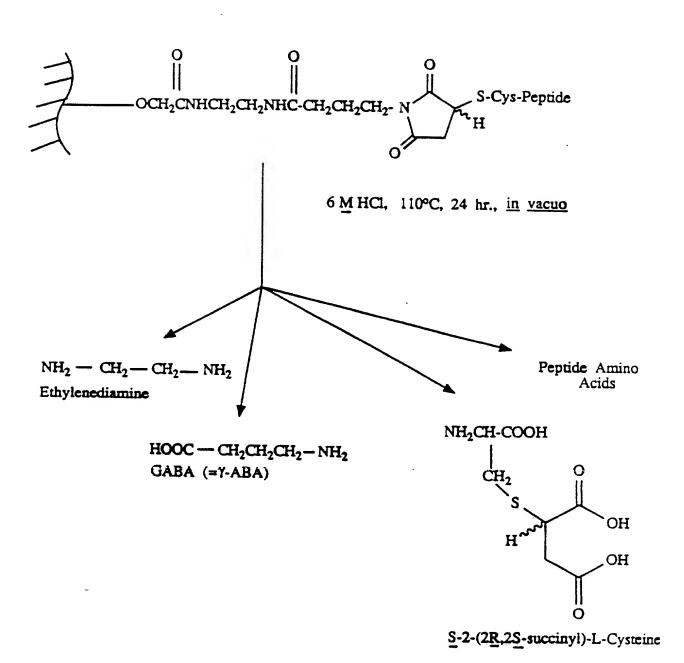
(7)

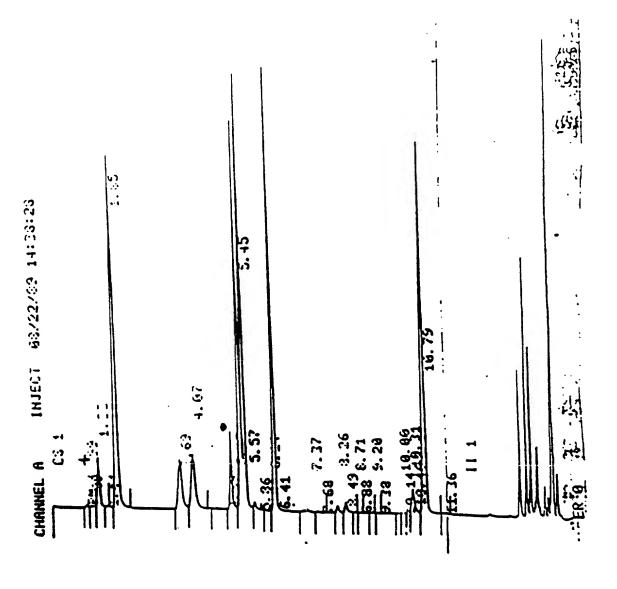
S-Cys-Peptide

"Conjugation"

"Hydrolysis"







= PTC-(S-2-(2R,2S-succinyl)-L-Cys = PTC-GABA

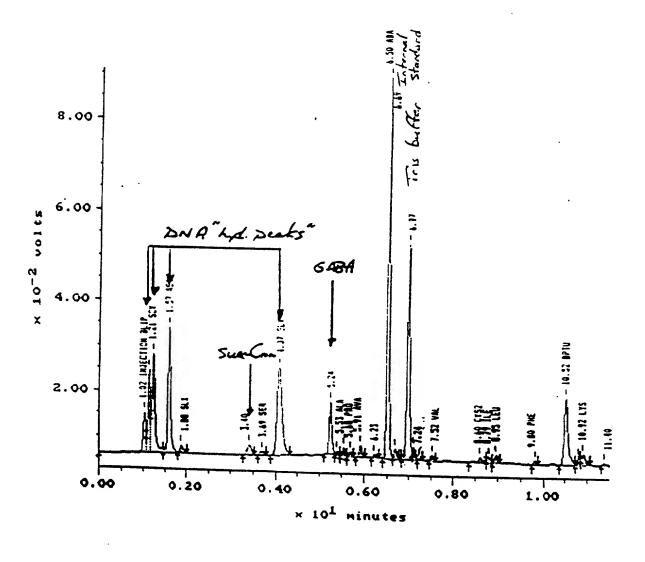
Conjugate Pepude Substitution Density Equation

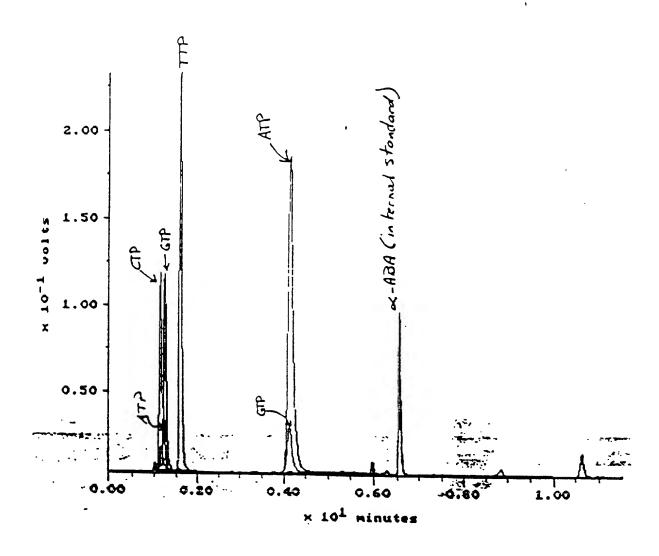
No molecules pepude/molecule dexamine

- = pmoles pepnde via AAA pmoles Dexamine(=Backbone) via AAA
- Non-covalently linked peptide increases numerator!
- ···· Loss of Dexamine during:
 - ·GMBS derivitization
 - -G-25 column purification decreases numerator Reaction mixture transfers

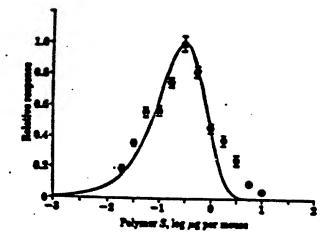
S-2-(2R,2S-succinyl)-cysteamine

 \underline{S} -2-(2 \underline{R} ,2 \underline{S} -succinyl)-DL-homocysteine



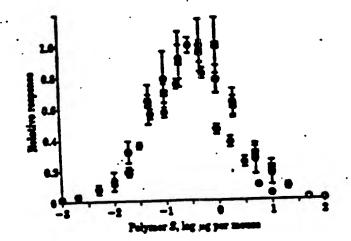






<u>(::</u>

Fig. /1



Pig. 19

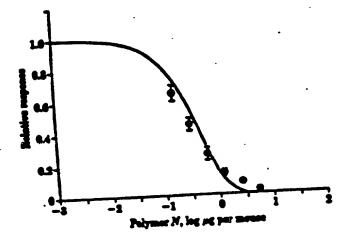


Fig. 19

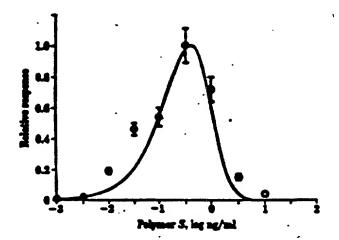
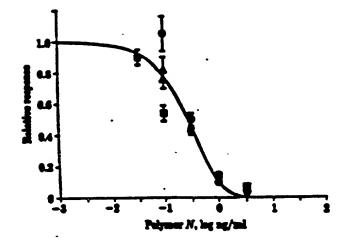
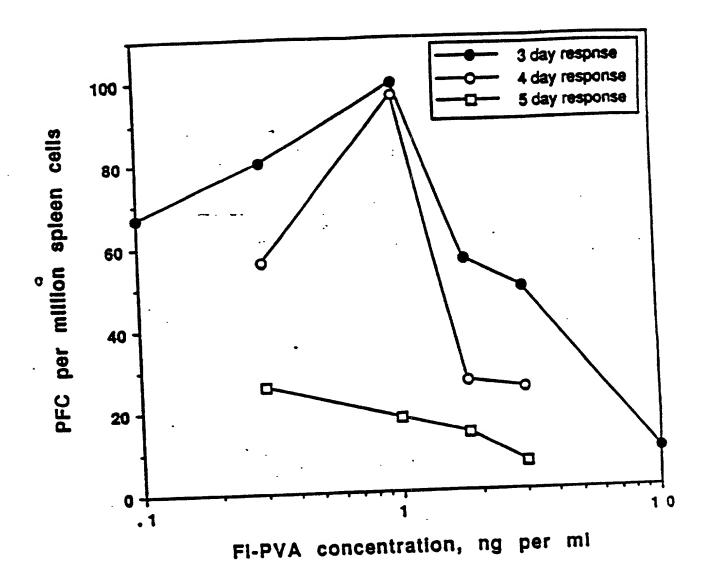


Fig. 20



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Figure 21

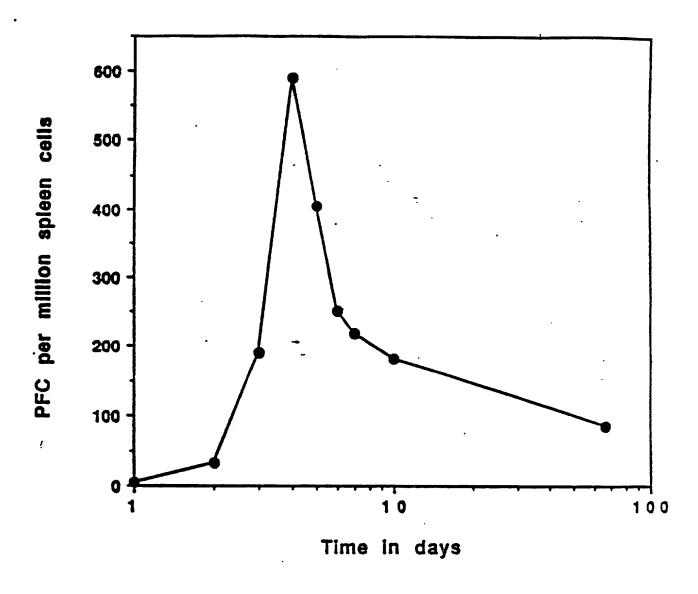
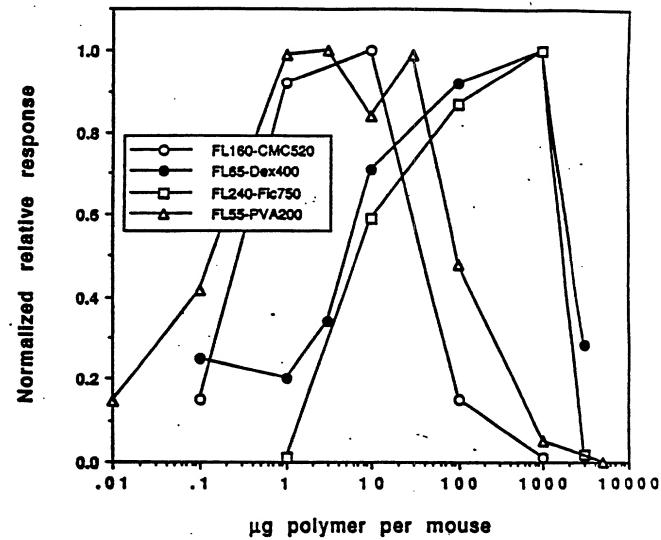
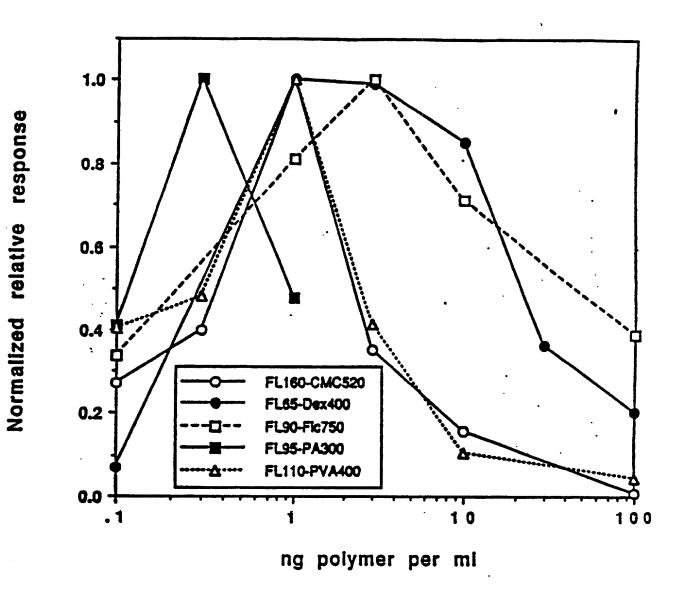


Figure 22



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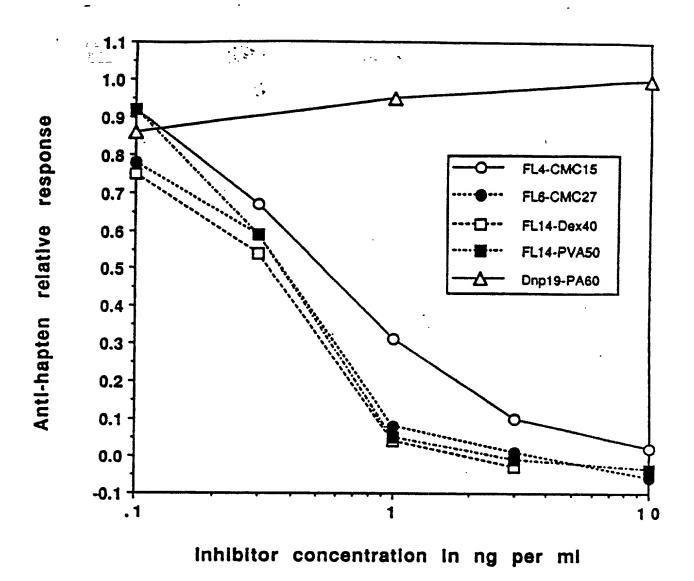


Figure 25

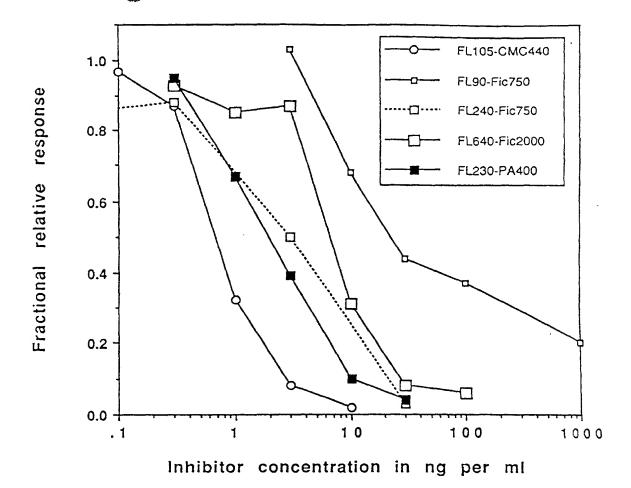
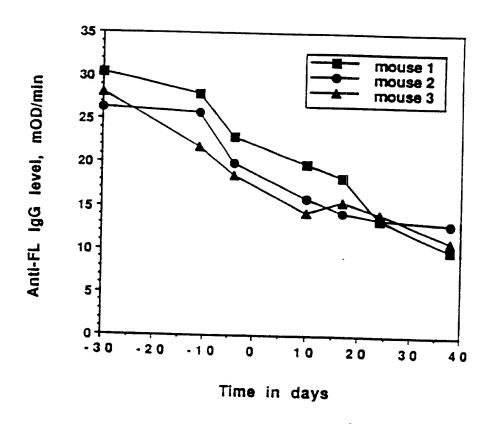
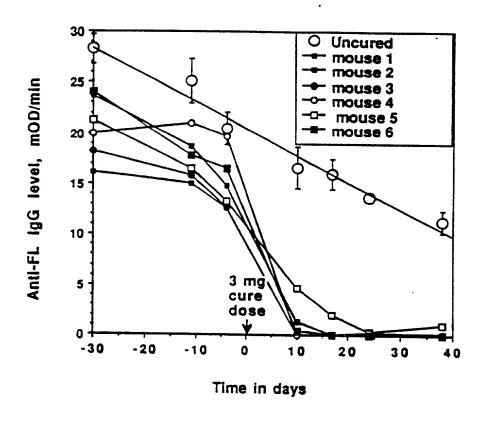
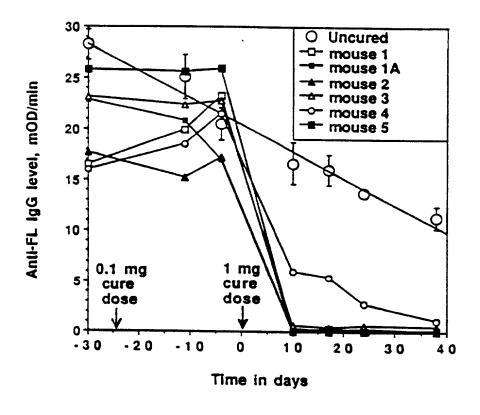
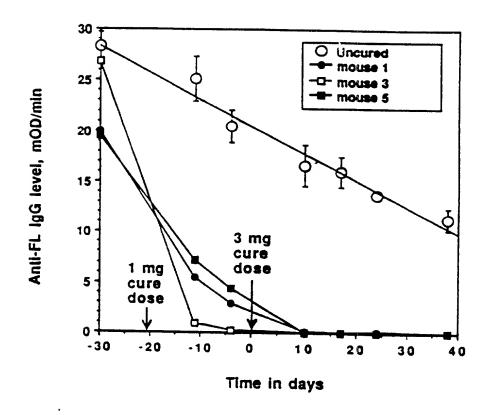


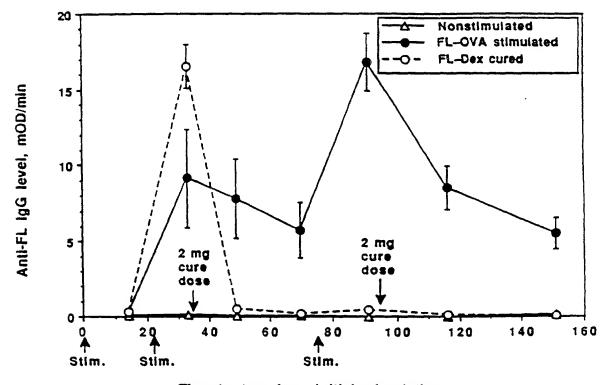
Figure 26





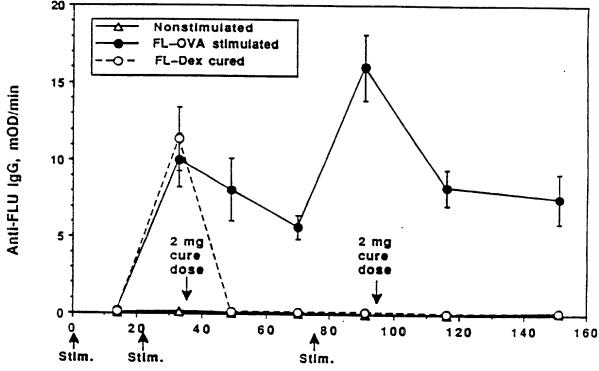




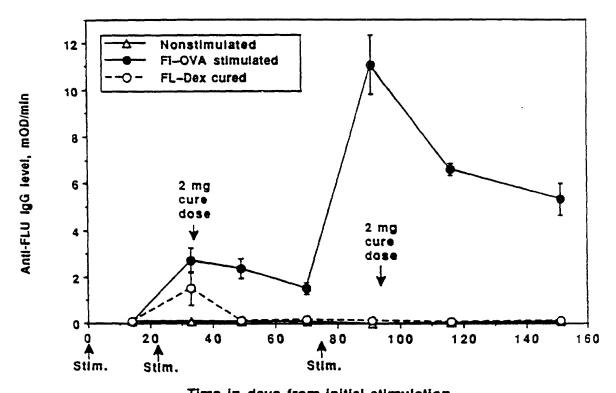


Time in days from initial stimulation

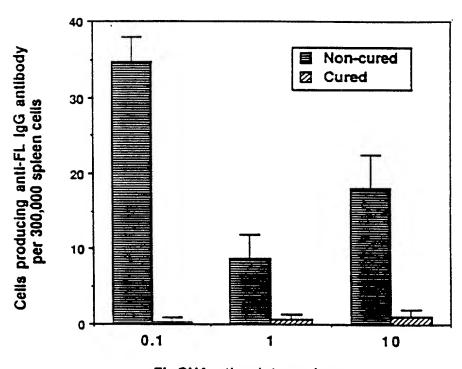
had myla graft, "An graft o'the bart "Il "diad" "diad diad" o'the



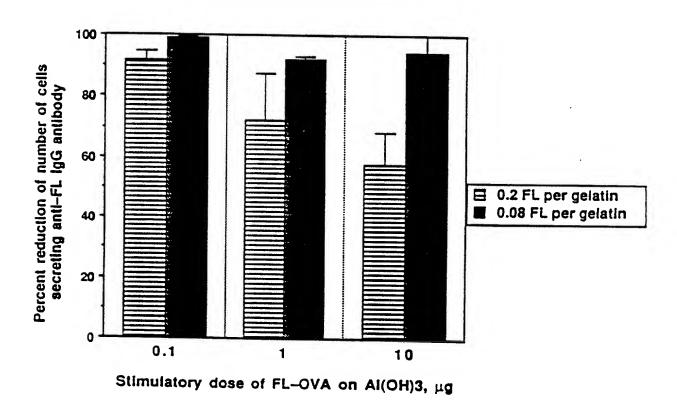
Time in days from initial stimulation

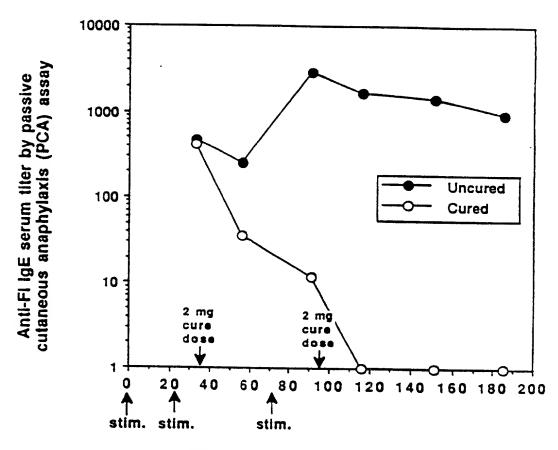


Time in days from initial stimulation

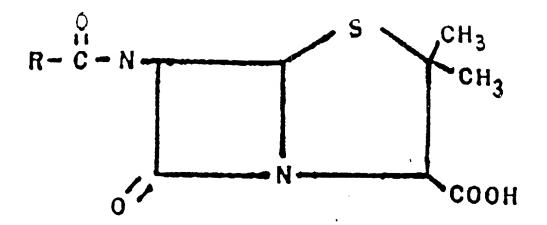


FL-OVA stimulatory doses, μg

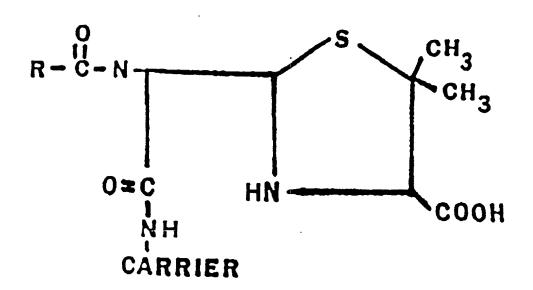




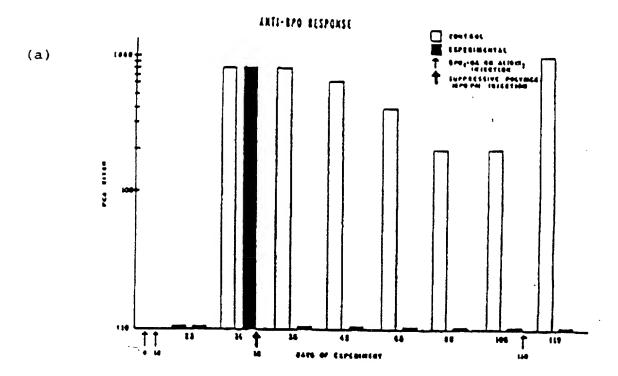
Time in days after initial stimulation

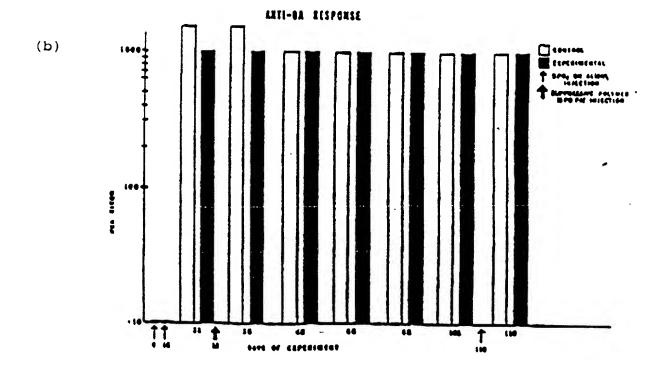


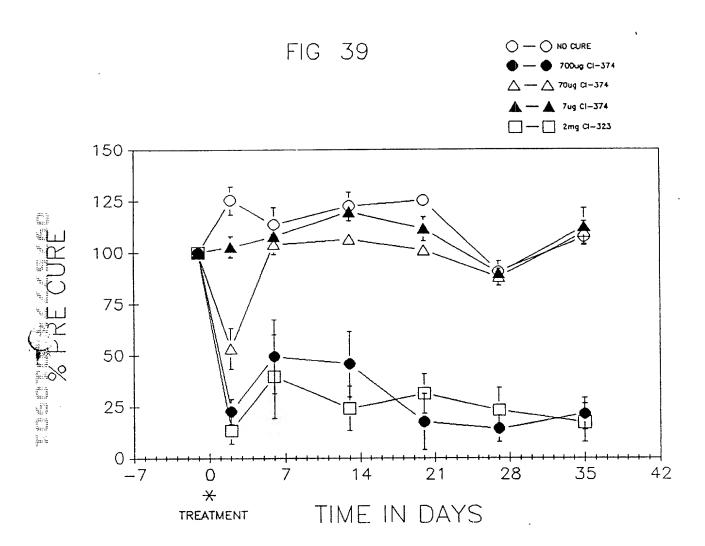
PENICILLIN

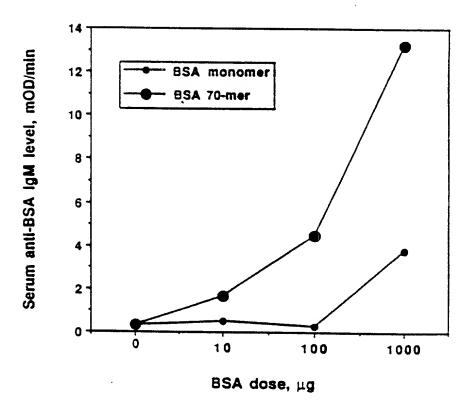


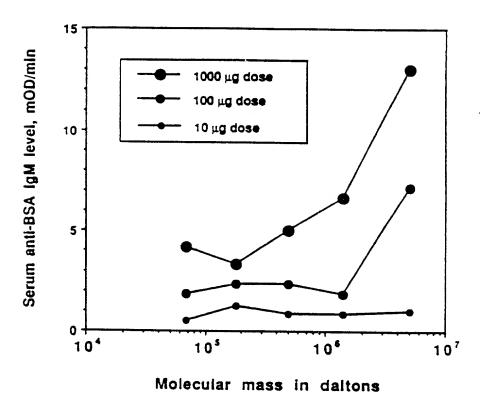
PENICILLOYL

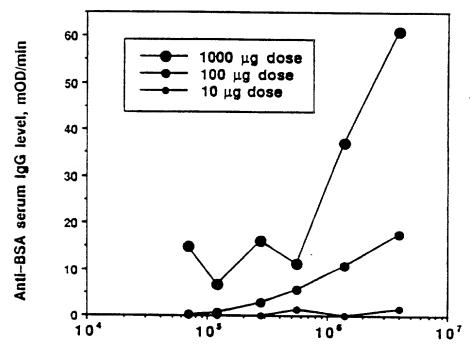




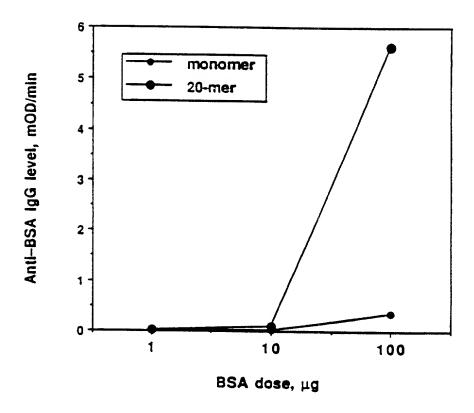


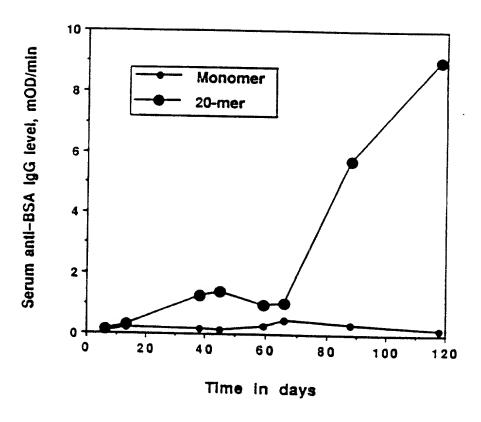


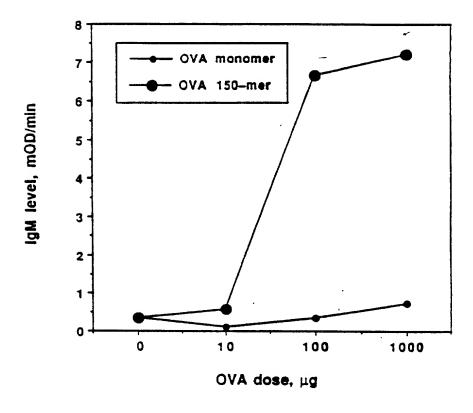


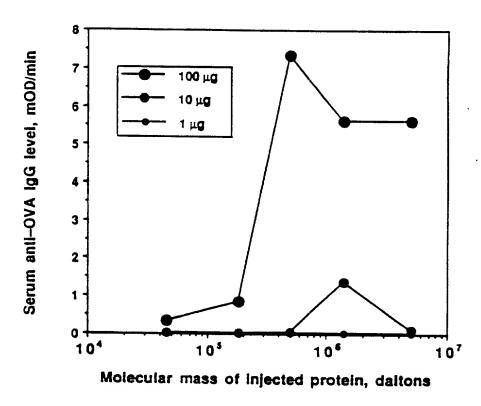


Molecular mass of injected BSA polymer, daltons









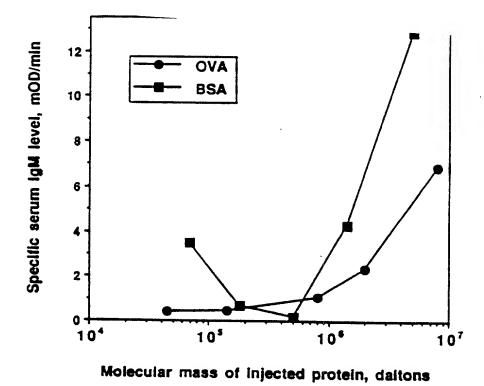
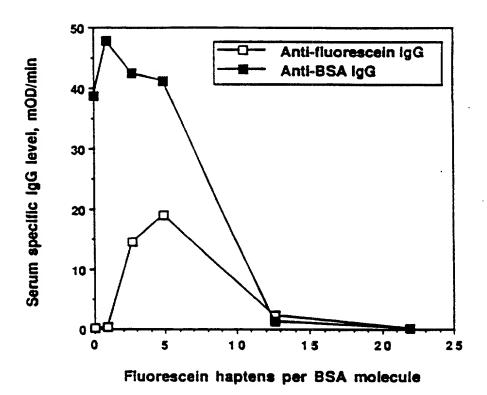
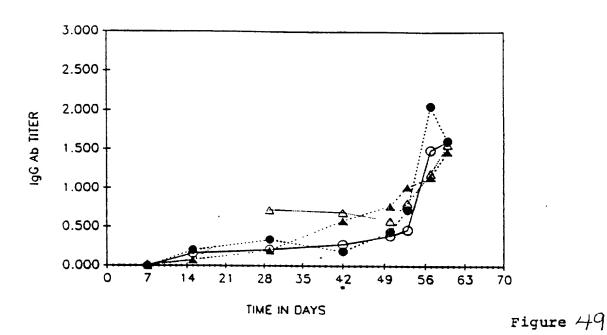
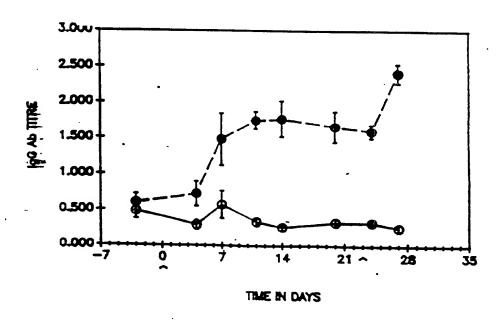
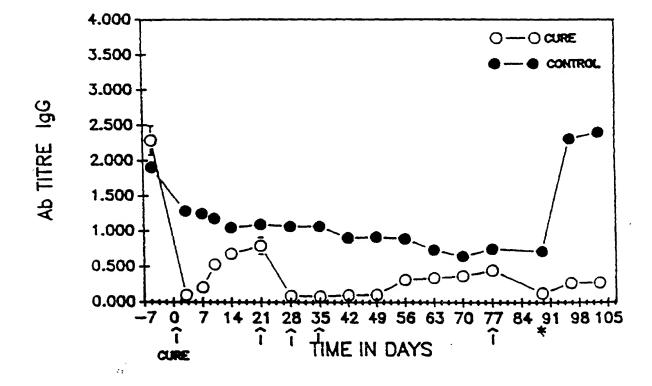


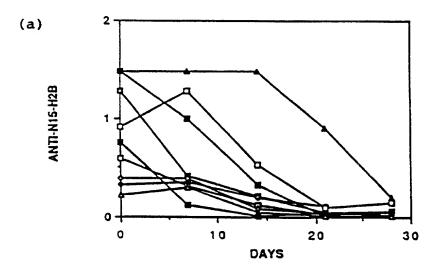
Figure 47











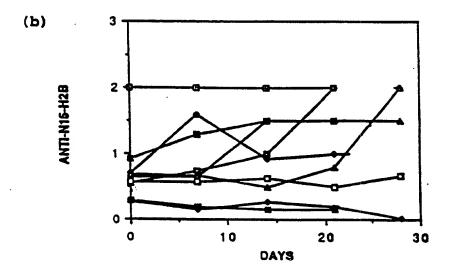
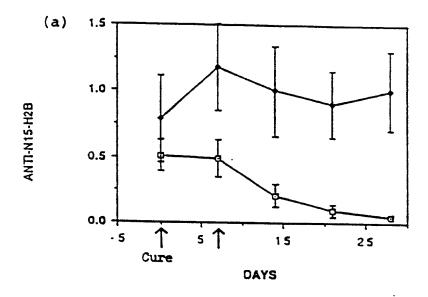
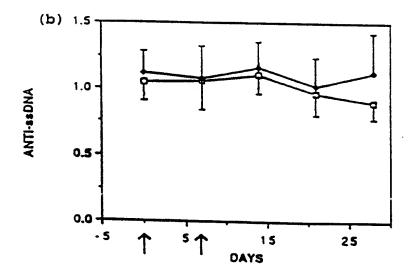
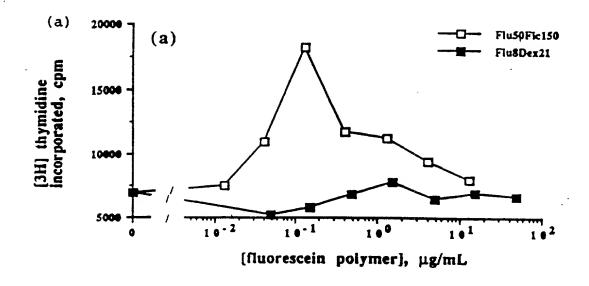


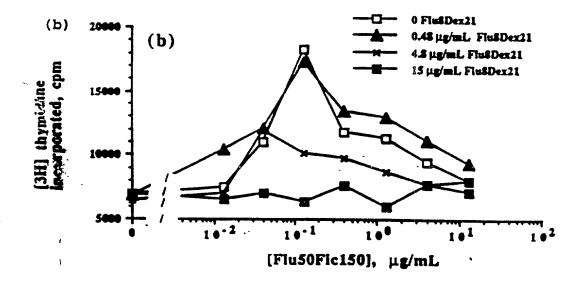
Figure 52





100





fluorescence emission ratio

